

US Patent 6,277,611

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US-09-576-281-10
; Sequence 10, Application US/09576281
; Patent No. 6277611
; GENERAL INFORMATION:
; APPLICANT: Pedersen, Anders
; APPLICANT: Svendsen, Allan
; APPLICANT: Schneider, Palle
; APPLICANT: Rasmussen, Grethe
; APPLICANT: Cherry, Joel
; TITLE OF INVENTION: LACCASE MUTANTS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6277611 No. 6277611disk of No. 6277611th America
; STREET: 405 Lexington Avenue
; CITY: New York
; COUNTRY: USA
; ZIP: 10174
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/576,281
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/993,318
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Gregg, Valeta A.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 5032.200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; TELEX:
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 573 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-576-281-10
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Query Match 100.0%; Score 3158; DB 2; Length 573;
 Best Local Similarity 100.0%; Pred. No. 1.5e-291;
 Matches 573; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy     61 NNSIIGPTIFADWGD TIQVTVINNLETNGTSIHWHGLHQGTNLHDGANGITECPIPPKG 120
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Db     61 NNSIIGPTIFADWGD TIQVTVINNLETNGTSIHWHGLHQGTNLHDGANGITECPIPPKG 120

Qy    121 GRKVYRFKAQQYGTSWYHSHFSAQYGNVGVAIQINGPASLPYD TD LGVFPISDY YYSSA 180
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Db	241	SLVNHTMCI IAADMVPVNAMTVDSLFLGVGQRYDVVIEANRTPGNYWFNVTFGGGLLCGG	300
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US Patent No. 5,770,419

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; Sequence 27, Application US/08706037
; Patent No. 5770419
; GENERAL INFORMATION:
; APPLICANT: Xu, Feng
; APPLICANT: Berka, Randy M.
; APPLICANT: Wahleithner, Jill A.
; TITLE OF INVENTION: BLUE COPPER OXIDASE MUTANTS WITH
; TITLE OF INVENTION: ENHANCED ACTIVITY
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 5770419o No. 5770419disk of No. 5770419th America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/706,037
; FILING DATE: 30-AUG-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/002,800
; FILING DATE: 1-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Harrington, James J.
; REGISTRATION NUMBER: 38,711
; REFERENCE/DOCKET NUMBER: 4526.200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 620 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-706-037-27

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Query Match          100.0%; Score 3158; DB 1; Length 620;
Best Local Similarity 100.0%; Pred. No. 1.7e-291;
Matches 573; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      108 NNSIIGPTIFADWGDITQVTVINNLETNGTSIHHWGLHQGTNLHDGANGITECPIPPKG 167

Qy      121 GRKVYRFKAQQYGTSWYHSHFSAQYGNVVGAIQINGPASLPYDIDLGVFPISDYYSSA 180
      |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      168 GRKVYRFKAQQYGTSWYHSHFSAQYGNVVGAIQINGPASLPYDIDLGVFPISDYYSSA 227

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Qy      181 DELVELTKNSGAPFSDNVLFNGTAKHPETGEGEYANVTLT PGRRHRLRLINTSVENHFQV 240
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Qy      241 SLVNHTMCI IAADMVPVNAMTVDSLFLGVGQRYDVVIEANRT PGNYWFNVTFGGGLLCGG 300
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Db      288 SLVNHTMCI IAADMVPVNAMTVDSLFLGVGQRYDVVIEANRT PGNYWFNVTFGGGLLCGG 347
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Qy      481 LPAFGWVVL SFRADNPGAWLFHCHIAWHVSGGLGVVYLERADDLRGAVSDADADDLDRLC 540
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US Patent No. 6,106,442

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US-09-028-887-1
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; Patent No. 6060442
; GENERAL INFORMATION:
; APPLICANT: Svendsen, Allan
; TITLE OF INVENTION: LACCASE MUTANTS
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6060442o No. 6060442disk of No. 6060442th America
; STREET: 405 Lexington Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10174
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/028,887
; FILING DATE: 24-February-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Gregg, Valeta A.
; REGISTRATION NUMBER: 35,127
; REFERENCE/DOCKET NUMBER: 5201.200-US
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 573 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-028-887-1

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Query Match          100.0%; Score 3158; DB 2; Length 573;
Best Local Similarity 100.0%; Pred. No. 1.5e-291;
Matches 573; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy    121 GRKVYRFKAQQYGTSWYHSHFSAQYGNVVGAIQINGPASLPYDIDLGVFPISDYYYSSA 180
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Db    121 GRKVYRFKAQQYGTSWYHSHFSAQYGNVVGAIQINGPASLPYDIDLGVFPISDYYYSSA 180

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W Patent No. 6,218,170

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;   APPLICANT: Svendsen, Allan
;   TITLE OF INVENTION: LACCASE MUTANTS
;   NUMBER OF SEQUENCES: 2
;   CORRESPONDENCE ADDRESS:
;       ADDRESSEE: No. 6218170o No. 6218170disk of No. 6218170th America
;       STREET: 405 Lexington Avenue
;       CITY: New York
;       STATE: NY
;       COUNTRY: USA
;       ZIP: 10174
;   COMPUTER READABLE FORM:
;       MEDIUM TYPE: Floppy disk
;       COMPUTER: IBM PC compatible
;       OPERATING SYSTEM: PC-DOS/MS-DOS
;       SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
;   CURRENT APPLICATION DATA:
;       APPLICATION NUMBER: US/09/518,901
;       FILING DATE: 06-Mar-2000
;       CLASSIFICATION: <Unknown>
;   PRIOR APPLICATION DATA:
;       APPLICATION NUMBER: 09/028,887
;       FILING DATE: <Unknown>
;   ATTORNEY/AGENT INFORMATION:
;       NAME: Gregg, Valeta A.
;       REGISTRATION NUMBER: 35,127
;       REFERENCE/DOCKET NUMBER: 5201.200-US
;   INFORMATION FOR SEQ ID NO: 1:
;       SEQUENCE CHARACTERISTICS:
;           LENGTH: 573 amino acids
;           TYPE: amino acid
;           STRANDEDNESS: single
;           TOPOLOGY: linear
;       MOLECULE TYPE: protein
;       SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-518-901-1

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Query Match          100.0%;   Score 3158;   DB 2;   Length 573;
Best Local Similarity 100.0%;   Pred. No. 1.5e-291;
Matches 573;   Conservative    0;   Mismatches    0;   Indels    0;   Gaps    0;

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Qy    121 GRKVYRFKAQQYGTSWYHSHFSAQYGNQVVGAIQINGPASLPYDIDLGVFPISDYYYSSA 180
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Qy    181 DELVELTKNSGAPFSDNVLFNGTAKHPETGEGEYANVTLTPGRRHRLRLINTSVENHFQV 240
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